Avery® SF 100 Polyester Series

Metallic, Clear, or White - Permanent - StaFlat or Kraft
(formerly: A1 or PX Series Polyesters)
Revision: New Dated: 1/6/2009

Uses:

Avery SF 100 series polyester films are high gloss films which are either clear, white, or metalized. These films are topcoated for excellent print receptivity, and provide a strong tear resistant surface.

Face: Polyester

Adhesive: Clear Permanent Acrylic

Liner: 78# Bleached Kraft or 90# StaFlat

Durability: Up to 2 years

Application Surfaces: Flat

Features:

- Dimensionally stable liner for easy converting
- High gloss finish
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Excellent dimensional stability
- Excellent UV, temperature, humidity, and salt-spray resistance
- Available in clear, white, silvers, and golds

Conversion:

☐ Thermal Die-Cutting	☒ Thermal Transfer	☐ Solvent based inkjet
☒ Flat Bed Sign-Cut	☒ Screen Printing (90#)	☐ Mild/Eco Solvent inkjet
☒ Drum Roller Sign-Cut	☐ Cold Overlaminating	☐ UV inkjet
☒ Steel Rule Die-Cutting	☐ Water based inkjet	

Common Applications:

Architectural Signage	Emergency Vehicles	Outdoor advertising
Directional Signage	Trains & light rail	Nameplates
Window Graphics	Buses	Emblems

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Physical Characteristics:

Property		Value
Caliper, face	Clear & Chrome	2.0 mil (50 µm) 1.0 mil (25 µm)
Caliper, adhesive		1.0mil (25 µm)
Dimensional stability		<0.015"(0.38mm)
Tensile at Yield		NA
Elongation		NA
Gloss		90
Adhesion: 15 min.		3.0 lbs/in (525 N/m)
24 hr.		3.5 lbs/in (613 N/m)
Flammability		Self Extinguishing
Shelf-Life		1 year
Durability	Vertical Exposure	
	Gold, Brushed Gold	Indoor Only
	Double Sided Gold	1 Year
	All Others	2 Years
Min. Application Temperature		60°F (16°C)
Service Temperature		-40°to 257°F (-40°C to 125°C)
Chemical resistance		Resistant to most mild acids, alkalis, and salt solutions.

Important:
Information on physical and chemical characteristics are based on tests believed to be reliable. The values are intended only as a source of information. This information is given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of any material for their specific purpose. (Data represents average values where applicable, and is not intended for specification purposes)

Warranty:
All statements, technical information and recommendations about Avery Dennison products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that Purchaser has independently determined the suitability of such products for its purposes. Avery Dennison products are warranted to be free from defects in material and workmanship for either one year (or the period stated on the specific product information literature in effect at time of delivery, if longer) from date of shipment if said product is properly stored and applied. It is expressly agreed and understood that Avery Dennison's sole obligation and Purchaser's exclusive remedy under this warranty, under any other warranty, express or implied, or otherwise, shall be limited to repair or replacement of defective product without charge at Avery Dennison's plant or at the location of product (at Avery Dennison's election), or in the event replacement or repairs is not commercially practical, to Avery Dennison's issuing Purchaser a credit reasonable in light of the defect in the product.

Avery Dennison's liability for defective products shall not exceed the purchase price paid therefore by Purchaser and in no event shall Avery Dennison be responsible for any incidental or consequential damages whether foreseeable or not, caused by defects in such product, whether such damage occurs or is discovered before or after replacement or credit, and whether or not such damage is caused by Avery Dennison's negligence.

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Colors: Cross Reference

SPECIALTY SERIES - 78#	AVERY 100 SPECIALTY FILMS PERMANENT KRAFT	PX SERIES - PERMANENT	AVERY 100 SPECIALTY FILMS PERMANENT STAFLAT™
A1842-S Brushed Gold	SF 100-242-S Brushed Gold	PX 1003 Clear	SF 100-103-S Clear
A1848-S Gold Mirror	SF 100-248-S Gold Mirror	PX 1070 Bright Chrome	SF 100-846-S Chrome Mirror
A1850-S Double Gold	SF 100-247-S Double Gold	PX 2000 White	SF 100-101-S White
A1840SF-S Brushed Chrome	SF 100-840-S Brushed Chrome	PX 2003 Clear	SF 100-103-S Clear
A1846SF-S Chome Mirror	SF 100-846-S Chome Mirror	PX 2070 Bright Chrome	SF 100-846-S Chome Mirror
		PX 2072 Brushed Chrome	SF 100-840-S Brushed Chrome

COMMENTS:
NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines.

Dimensional stability:

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150℉ (65℃), after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel panel, 24 hour s after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

Flammability:

A specimen applied to aluminum is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Revisions are italicized

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